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**U.S. DEPARTMENT OF LABOR**  
Occupational Safety and Health Administration

Form Approved  
OMB No. 44-R1387

# MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

<b>MANUFACTURER'S NAME</b> GATES ENGINEERING COMPANY, INC.		<b>EMERGENCY TELEPHONE NO.</b> (302) 656-9951
<b>ADDRESS (Number, Street, City, State, and ZIP Code)</b> 100 South West Street, Wilmington, Delaware 19899		
<b>CHEMICAL NAME AND SYNONYMS</b>		<b>TRADE NAME AND SYNONYMS</b> GACO N-79 Black
<b>CHEMICAL FAMILY</b>	<b>FORMULA</b>	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS	4.5		BASE METAL		
CATALYST			ALLOYS		
VEHICLE	18.0		METALLIC COATINGS		
SOLVENTS *	77.5	100 ppm	FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

  

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)
Accelerator (N-300-9) used with this product contains lead oxides. Material accelerated for use contains 6% lead oxide.		
* Solvent contains toluene, petroleum distillates and xylene		

## SECTION III - PHYSICAL DATA

<b>BOILING POINT (°F.)</b>		<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1)</b>	0.90
<b>VAPOR PRESSURE (mm Hg.)</b>		<b>PERCENT, VOLATILE BY VOLUME (%)</b>	85
<b>VAPOR DENSITY (AIR=1)</b>	>1	<b>EVAPORATION RATE (— Ether — =1)</b>	<1
<b>SOLUBILITY IN WATER</b>	Nil		
<b>APPEARANCE AND ODOR</b> Black, viscous liquid coating, characteristic solvent odor.			

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

<b>FLASH POINT (Method used)</b> 37°F ASTM D 3278	<b>FLAMMABLE LIMITS</b>	<b>LeI</b> 0.9	<b>UeI</b> 7.0
<b>EXTINGUISHING MEDIA</b> Dry chemical, carbon dioxide, foam			
<b>SPECIAL FIRE FIGHTING PROCEDURES</b> Wear self contained breathing apparatus and protective clothing.			
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> Products of combustion may include phosgene or chlorine compounds. Lead fumes from accelerated material.			

**SECTION V - HEALTH HAZARD DATA**

THRESHOLD LIMIT VALUE 100 ppm (skin)

EFFECTS OF OVEREXPOSURE

**EMERGENCY AND FIRST AID PROCEDURES**

SKIN: Flush with plenty of water. EYES: Flush with plenty of water for 15 minutes and get medical attention. If swallowed, call a physician. Do not induce vomiting.

**SECTION VI - REACTIVITY DATA**

STABILITY	UNSTABLE		CONDITIONS TO AVOID	Flames, Sparks, Hot Surfaces
	STABLE	X		

INCOMPATIBILITY (Materials to avoid)

Strong Oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

**SECTION VII - SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Absorb and dispose of in accordance with local regulations.

WASTE DISPOSAL METHOD

Dispose of in accordance with local, state and federal regulations.

Incinerate in approved facility. Do not incinerate closed containers.

**SECTION VIII - SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION (Specify type)

In confined areas use Bureau of Mines approved respiratory device.

VENTILATION	LOCAL EXHAUST	X	SPECIAL	Also exhaust solvent vapors from near floor
	MECHANICAL (General)	X		
			OTHER	

PROTECTIVE GLOVES

X

EYE PROTECTION

X

OTHER PROTECTIVE EQUIPMENT

**SECTION IX - SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in cool, dry place. Use only with adequate ventilation. Avoid

flames, sparks, hot surfaces and strong oxidizers. Avoid contact with

OTHER PRECAUTIONS

Contains lead - Do not apply on toys, furniture or any surface

which might be chewed by children. Wash hands thoroughly after

using and before eating or smoking.

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ADDRESS (Number, Street, City, State, and ZIP Code) <b>100 South West Street, Wilmington, Delaware 19899</b>		
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS <b>GACO N-300-9 Accelerator</b>	
CHEMICAL FAMILY	FORMULA	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS	56		BASE METAL		
CATALYST	9		ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS *	35	100 ppm	FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
This product is a lead oxide/organic accelerator compound supplied in 2 and 8 ounce bottles for use with a Neoprene compound. It is never used alone.					
* Solvent contains xylene.					

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)		SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.8
VAPOR PRESSURE (mm Hg.)		PERCENT VOLATILE BY VOLUME (%)	74
VAPOR DENSITY (AIR=1)	> 1	EVAPORATION RATE (Ether=1)	< 1
SOLUBILITY IN WATER			
APPEARANCE AND ODOR Yellow slurry - characteristic odor			

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	80°F ASTM D 3278	FLAMMABLE LIMITS	LeI	Uel
EXTINGUISHING MEDIA	Dry chemical, carbon dioxide, foam			
SPECIAL FIRE FIGHTING PROCEDURES				
UNUSUAL FIRE AND EXPLOSION HAZARDS				
Lead fumes.				